

In the Claims:

Amend the claims as follows:

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1. (Currently amended) A method for controlling a transmission  
power level in a digital subscriber line, characterized in  
that transmission power levels of several digital subscriber  
lines are controlled simultaneously by the method comprising  
10 the steps of  
[[-]] measuring crosstalk properties for each subscriber line  
in different situations;  
[[-]] estimating crosstalk values from the measured crosstalk  
properties;  
15 [[-]] organizing the crosstalk values of the different  
situations; ~~and~~  
[[-]] controlling the transmission power levels using the  
organized crosstalk values;  
taking SNR limitations into account when controlling the  
20 transmission power levels; and  
making the control of the transmission power levels so that  
the crosstalk is distributed in such a way that more crosstalk  
is accepted for lower service class lines.

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2. (Currently amended) A method according to claim 1,  
characterized in that the method comprises a preliminary step  
before the measuring step for sending ~~send-ing~~ line specific  
test signals from a transmitting end to a receiving end in  
each line from which the crosstalk properties are measured.

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3. (Previously presented) A method according to claim 2,  
characterized in that the test signal of each subscriber line  
is sent sequentially in such a way that signal levels of the  
test signal are sequent specific and a combination of the  
35 parallel sequences of the digital subscriber lines is time

sequence specific.

4. (Previously presented) A method according to claim 2,  
characterized in that crosstalk properties are power levels of  
5 the test signals.

5. (Previously presented) A method according to claim 2,  
characterized in that when estimating the crosstalk values,  
information from the test signals are used.  
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6. (Previously presented) A method according to claim 1,  
characterized in that matrices are used when organizing the  
crosstalk values.

15 7. (Canceled)

8. (Currently amended) A method according to claim 1 7,  
characterized in that the control of the transmission power  
levels are made equally so that the crosstalk is distributed  
20 in an even and fair manner to the subscriber lines.

9. (Canceled)

10. (Previously presented) A method according to claim 1,  
25 characterized in that the measurements are made off-line.

11. (Previously presented) A method according to claim 1,  
characterized in that the measurements are made on-line.

30 12. (Previously presented) A method according to claim 1,  
characterized in that the digital subscriber lines are VDSL  
lines.

13. (Previously presented) A method according to claim 1,  
35 characterized in that the measurements are made in advance,

before controlling the transmission powers of the lines.

14. (Previously presented) A method according to claim 1,  
characterized in that the crosstalk values are crosstalk power  
5 level values.

15. (Previously presented) A method according to claim 1,  
characterized in that the crosstalk values are crosstalk  
coefficient values.

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16. (Previously presented) A method according to claim 1,  
characterized in that the measurements are made from a  
downstream signal.

17. (Previously presented) A method according to claim 1,  
characterized in that the measurements are made from an  
upstream signal.

18. (Currently amended) An arrangement for controlling a  
transmission power level in a digital subscriber line,  
20 characterized in that the arrangement controls transmission  
power levels of several digital subscriber lines  
simultaneously, comprising:  
[[-]] means for measuring crosstalk values for each subscriber  
25 line in different situations ~~situa-tions~~;  
[[-]] means for organizing the crosstalk values of the  
different situations; ~~and~~  
[[-]] means for controlling the transmission power levels  
using the organized crosstalk values;  
30 means for taking SNR limitations into account when controlling  
the transmission power levels, and  
means for making the control of the transmission power levels  
equally so that the crosstalk is distributed in an even and  
fair manner to the subscriber lines.

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19. (Currently amended) An arrangement according to claim 18  
~~16~~, characterized in that the arrangement comprises means for  
sending line specific test signals ~~sign-als~~ from a  
transmitting end to a receiving end in each line wherein the  
5 measuring means exists.

20. (Original) An arrangement according to claim 19,  
characterized in that the test signal of each subscriber line  
is sent sequentially in such a way that signal levels of the  
10 test signal are sequent specific and a combination of the  
parallel sequences of the digital subscriber lines is time  
sequence specific.

21. (Currently amended) An arrangement according to claim ~~19~~  
15 18, characterized in that crosstalk properties are power  
levels of the test signals.

22. (Previously presented) An arrangement according to claim  
19 characterized in that when estimating the crosstalk values,  
20 information from the test signals are used.

23. (Currently amended) An arrangement according to claim 18,  
characterized in that matrices are used when organizing the  
crosstalk values.

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24. (Canceled)

25. (Canceled)

30 26. (Original) An arrangement according to claim 24,  
characterized in that the control of the transmission power  
levels is made so that the crosstalk is distributed in such a  
way that more crosstalk can be accepted for lower service  
class lines.

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27. (Previously presented) An arrangement according to claim 18, characterized in that the measurements are made off-line.

5 28. (Previously presented) An arrangement according to claim 18, characterized in that the measurements are made on-line.

29. (Previously presented) An arrangement according to claim 18, characterized in that the digital subscriber lines are VDSL lines.

10 30. (Currently amended) An arrangement according to claim 18, characterized in that the measurements are made in advance before controlling ~~con-trolling~~ the transmission powers of the lines.

15 31. (Previously presented) An arrangement according to claim 18, characterized in that the crosstalk values are crosstalk power level values.

20 32. (Previously presented) An arrangement according to claim 18, characterized in that the crosstalk values are crosstalk coefficient values.

25 33. (Currently amended) ~~A method~~ An arrangement according to claim 18, characterized in that the measurements are made from a downstream signal.

30 34. (Currently amended) ~~A method~~ An arrangement according to claim 18, characterized in that the measurements are made from an upstream signal.